

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Michael J. Buchenhorner (Registration No. 33,162) on 1/9/2009.
3. Amend the claims as follows:
 19. (Currently Amended) A method as part of an enterprise application integration solution, the method comprising the following steps performed by a computer:
 - monitoring messaging between an integration broker and a remote application;
 - monitoring the messaging for at least one reason selected from a group of (a) an indication that a connection with an application adapter of the remote application is lost, and (b) a message indicative of an application adapter of the remote application entering a maintenance shutdown;
 - receiving a message indicative of a trigger event, said trigger event comprising process definition information about a state of the remote application;
 - retrieving the process definition information about the state of the remote application;

generating a trigger message based on the trigger event, said trigger message comprising the retrieved process definition information about the state of the remote application , wherein the trigger message enables the remote application to be started automatically when there are messages available to retrieve;

placing the trigger message in an initiation queue;

wherein the steps of receiving, retrieving, generating and placing are performed by a queue manager within the computer;

retrieving the trigger message from the initiation queue;

based on the trigger message, issuing a command to the remote application, wherein said command restarts the remote application if the trigger event is a loss of connectivity between the integration broker and the remote application;

storing operational parameters as part of the process definition information by storing a type of trigger event, an action to be taken, and action attributes comprising when to start, number of attempts, and interval between attempts;

wherein the steps of retrieving the trigger message and issuing are performed by a trigger monitor within the computer and wherein the trigger monitor comprises a heartbeat routine that periodically checks the remote application to verify whether it is still running; and

storing application parameters which constitute trigger events comprising: an identifier of the queue manager, an identifier of the remote application, a full path for the remote application start up batch file, and a name of a server on which the remote application runs.

20. (Cancelled)

21. (Cancelled)

22. (Previously presented) The method of claim 19 wherein the step of issuing the command comprises issuing a shut down command if the triggering event is a broker request to shut down.

23. (Previously presented) The method of claim 19 wherein the step of issuing the command comprises issuing a restart command if the triggering event is a broker request to restart.

24. (Canceled)

25. (Previously presented) The method of claim 19 further comprising an initial step of:
generating the initiation queue.

26 - 27. (Cancelled)

3. The following is an examiner's statement of reasons for allowance:

As to claim 19, the prior art as taught by Mann et al (US. Patent 6,654801), Bickle(US. 2003/0114163 A1) and Dillow(US. 7,140025 B1) do not teach on render obvious the limitations recited in claim 19 when taken in the context of the claims as a whole the queue manager for placing in an initiation queue the trigger message which is generated based on the trigger event ; the trigger monitor for retrieving the trigger message from the initiation queue and issuing a command to the remote application based on the trigger message, storing an operational parameters as part of the process definition information by storing a type of trigger event, an action to be taken, and action attributes comprising when to start, number of attempts, and interval between attempts ; and storing application parameters which constitute triggers events comprising: an identifier of the queue manager, an identifier of the remote application, a full path for the remote application start up batch file, and a name of a server on which the remote application runs recited in the independent claim 19. Moreover, evidence for modifying the prior art teachings by one of ordinary skill level in the art was not uncovered so as to result in the invention as recited in claim 19.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (571) 272-3767. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIP. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIP system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

/LeChi Truong/

Examiner, Art Unit 2194

LeChi Truong

February 6, 2009

